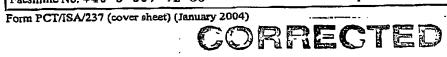
PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	~~			
To:	PCT			
HÅMSÖ PATENTBYRÅ ANS	WRITTEN OPINION OF THE			
P.O. Box 171	INTERNATIONAL SEARCHING AUTHORITY			
N-4302 SANDNES Norge	(PCT Rule 43bis.1)			
10230	(FC1 Rule 4308.1)			
•				
	Date of mailing (day/month/year) 2 2 -02- 2005			
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraph 2 below			
International application No. International filing d	ate (day/month/year) Priority date (day/month/year)			
International application No. International filing of PCT/NO2004/000203 02.07.2004	03.07.2003			
International Patent Classification (IPC) or both national class	ification and IPC			
F04B 47/08 // F04B 9/111, E21B	43/00			
Applicant				
Pil Flow Technology AS et al				
the state of the s	- income:			
1. This opinion contains indications relating to the following	g teens.			
Box No. I Basis of the opinion				
Box No. II Priority	the second industrial applicability			
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. IV Lack of unity of invention				
Box No. V Reasoned statement under Rule 436 applicability; citations and explana	bis.1(a)(i) with regard to novelty, inventive step or industrial tions supporting such statement			
Box No. VI Certain documents eited				
Box No. VII Certain defects in the international	application			
Box No. VIII Certain observations on the international application				
International Preliminary Examining Authority ("IPEA" Authority other than this one to be IPEA and the chosen written opinions of this International Searching Authority	made, this opinion will be considered to be a written opinion of the) except that this does not apply where the applicant chooses an IPEA has notified the International Bureau under Rule 66.1 bis(b) that by will not be so considered.			
The second secon	written opinion of the IPEA, the applicant is invited to submit to une amendments, before the expiration of 3 months from the date of mailing			
For further opinions, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA/22	Authorized officer			
Fatent- och registreringsverket Box 5055	Sune Söderling / JA A			
S-102 42 STOCKHOLM Facsimile No. +46 8 667 72 88	Telephone No. +46 8 782 25 00			



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/NO2004/000203 Basis of this opinion Box No. I 1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(3) related to the sequence listing b. format of material in written formet in computer readable form c. time of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been 3. filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:

Form PCT/ISA/237 (Box No. I) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/NO2004/000203

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Stateme	ent			
Nove	elty (N)	Claims	1	YES
		Claims		NO
Inventive step (IS)	Claims	1	YES	
Mive	IIIVO SIOD (ID)	Claims		NO
7_ J	atrial ampliantility (TA)	Claims	1	YES
Industrial applicability (IA)	Claims		NO	

2. Citations and explanations:

Cited documents:

US 5 290 159 A

US 4 536 137 A

US 3 625 288 A

The documents cited in the International Search Report represent background art.

The invention defined in claim 1 is not disclosed by any of these documents.

None of the cited documents gives any indication towards the claimed piston pump. No relevant combination of the features disclosed in the cited documents would lead a person ordinary skilled in the art to the invention defined in the claim.

Therefore, the invention defined in the claim 1 is novel and is considered to involve an inventive step. It is also considered to be industrially applicable.